

Cluster – Manufacturing
Pathway – Production
Program of Study – Renewable Energy Technology

Sample Plan of Study

	9 th Grade	10 th Grade	11 th Grade	12 th Grade
Smart Core	English I or Pre-AP	English II or Pre-AP	English III or AP	English IV or AP
	Algebra I or Geometry	Geometry or Algebra II	Algebra II or Trigonometry Pre- AP Calculus	AP Calculus College Algebra AP Statistics
	Physical Science	Biology Pre-AP Chemistry Applied Biology/Chemistry	Chemistry Physics Principles of Technology	AP Biology AP Chemistry AP Physics Earth & Space Science
	Civics	World History	US History	Economics
Foundation Courses Career Orientation Computer Technology Keyboarding Graduation Requirements English 4 units Math 4 units Science 3 units Social Studies 3 units Fine Arts ½ unit Health and Safety ½ unit Oral Communication ½ unit Physical Education ½ unit Career Focus 6 units Arkansas Challenge Foreign Language 2 units		Program of Study Support Courses EAST/Workforce Technology Internship Workplace Readiness Support Courses Foreign Language Word Processing or Computer Business Applications (CBA) Extended Learning Opportunities SkillsUSA Job Shadowing	Renewable Energy Technology Core Courses Industrial Safety Introduction to Renewable Energy Technology Renewable Energy Technology Electives Biofuels Introduction to Basic Mechanics Basic Electricity Biomass and Feed Stocks Renewable Energy Technology Industry Certifications Related Programs of Study Petroleum Production	
Postsecondary Opportunities				
Major		Postsecondary School		Certificate/Degree Program
Renewable Energy Technology		ANC Blytheville EACC Forrest City MSCC West Memphis PCC UA Helena ASU Newport		Certificate and Associate's